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In the Claims

Please amend Claims 1 and 4 as set forth in the Complete Listing of Claims below:

Complete Listing of Claims

Claim 1 (currently amended): A method for manufacturing a semiconductor device using a plurality of deposited and patterned layers of polysilicon, an oxide sacrificial material, and a metal layer including aluminum comprising the step of etching the oxide sacrificial material by immersing the semiconductor device into an etching solution comprising hydrofluoric acid (HF) and sulfuric acid (H₂SO₄) in a ratio HF:H₂SO₄ ranging from 1:1 to 3:1

Claim 2 (cancelled)

Claim 3 (cancelled)

- Claim 4 (currently amended): The method of Claim-3 Claim 1 wherein the etching solution has an etch selectivity for the oxide sacrificial material relative to the metal layer of greater than 100.
- Claim 5 (original): The method of Claim 1 wherein the semiconductor device comprises a micromechanical device, a microelectromechanical device or a microfluidic device.
- Claim 6 (original): The method of Claim 1 wherein the step of etching the oxide sacrificial material is performed with the etching solution at a temperature in the range of 5 70 °C.
- Claim 7 (original): The method of Claim 1 wherein the hydrofluoric acid comprises a "semiconductor grade" hydrofluoric acid, and the sulfuric acid comprises a "semiconductor grade" sulfuric acid.
- Claim 8 (original): The method of Claim 1 wherein the hydrofluoric acid comprises at least 40 50% by weight HF.
- Claim 9 (original): The method of Claim 1 wherein the sulfuric acid comprises at least 90% by weight H₂SO₄.

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Claim 10 (cancelled)

Claims 11 - 18 (cancelled)